MP3 Player
user manual

imagine the possibilities

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register your product at

www.samsung.com/global/register

SAMSUNG

features of your new MP3 Player

Good looking. Smart. Reliable. And lots of fun. Your new MP3 player is all this and more. Its compact silhouette takes up the tiniest space in your pocket, and its state-of-the-art technology delivers rich sound, vibrant pictures. You'll love your new MP3 player, whether you're exercising, downloading your favorite tunes, watching videos or even listening to FM Radio.

Use it once, and you'll wonder how you ever lived without it.

PUTTING THE "MULTI" IN MULTIMEDIA

We call it an MP3 player, but it's much more than that. It allows you to view pictures, text, and videos and listen to FM radio.
The built-in Bluetooth wireless technology turns your MP3 player into your own personal network.

TOUCH NAVIGATION!

You can tap on the touch pad to navigate through the menus.

WHERE FORM MEETS FUNCTION

Sure, it's sleek and good-looking. But it's easy to hold and use, too.

LONGER PLAY TIME AND SHORTER DOWNLOADING!

A fully charged battery can play up to 30 hours of music or 4 hours of video.
Download times are shorter. Because of its USB 2.0 capability, the player is much faster than models with USB 1.1.

ACOUSTIC WONDER

Your new MP3 player has built-in DNSe™ (Digital Natural Sound engine), Samsung's unique sound technology created to deliver richer, deeper sound for an unbelievable listening experience.

safety information

What the icons and signs in this user manual mean :

⚠ **WARNING**	Means that death or serious personal injury is a risk.
⚠ **CAUTION**	Means that there is a potential risk for personal injury or material damage.
⚡ **CAUTION**	To reduce the risk of fire, explosion, electric shock, or personal injury when using your MP3 Player, follow these basic safety precautions:
🗒 **NOTE**	Means hints or referential pages that may be helpful to operate the player.

⃠	Do NOT attempt.
⌧	Do NOT disassemble.
✋	Do NOT touch.
★	Follow directions explicitly.
⇥	Unplug the power plug from the wall socket.
✆	Call the service center for help.

These warning signs are here to prevent injury to you and others.
Please follow them explicitly.
After reading this section, keep it in a safe place for future reference.

safety information

This manual describes how to properly use your new mp3 player.
Read it carefully to avoid damaging the player and injuring yourself.
Pay particular attention to the following serious warnings:

PROTECT YOURSELF

- Do not disassemble, repair, or modify this product on your own.

CAUTION
- Do not get the product wet or drop it in water. If the product gets wet, do not switch it on because you could get an electric shock. Instead, contact a Samsung Customer Service Center near you.

CAUTION
- Do not use the earphones while you are driving a bicycle, automobile or motorcycle.
  It can cause a serious accident, and furthermore, is prohibited by law in some areas.
  Using the earphones while walking or jogging on a road, in particular, on a crosswalk can lead to a serious accident.

- For your safety, make sure the earphone cable does not get in the way of your arm or other surrounding objects while you are taking exercise or a walk.

WARNING
- Do not place the product in damp, dusty, or sooty areas because these environments could lead to fire or electric shock.

PROTECT YOURSELF

WARNING
- Using earphones or headphones for an extended time may cause serious damage to your hearing.
  If you are exposed to sound louder than 85db for an extended time, you may adversely affect your hearing. The louder the sound is, the more seriously damaged your hearing may be (an ordinary conversation is between 50 to 60db and road noise is approximately 80db). You are strongly advised to set the volume level to medium (the medium level is usually less than 2/3 of the maximum).

- If you feel a ringing in the ear(s), lower the volume or stop using the earphones or headphones.

PROTECT YOUR MP3 PLAYER

- Do not leave the player in temperatures above 95°F (35°C), such as a sauna or a parked car.
- Do not cause excessive impact on the player by dropping it.
- Do not place heavy objects on top of the player.
- Prevent any foreign particles or dust from entering into the product.
- Do not place the product near magnetic objects.

- Be sure to backup important data. Samsung is not responsible for data loss.
- Use only accessories provided by or approved by Samsung.

CAUTION
- Do not spray water on the product. Never clean the product with chemical substances such as benzene or thinner, as it may cause fire, electric shock or deteriorate the surface.

CAUTION
- Failure to follow these instructions may lead to physical injuries or damage to the player.

NOTE
- When printing this user manual, we recommend that you print in color and check "Fit to Page" in the print option for better viewing.

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WHAT'S INCLUDED

Your new mp3 player comes with these accessories. If you're missing any of these items, contact Samsung Customer Service Center.

Player

Earphones
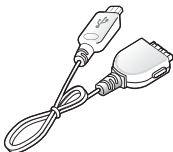
USB Cable
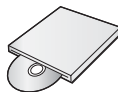
Installation CD

The accessories in your box may look slightly different than these.

YOUR MP3 PLAYER

Screen display

Power & Hold switch ⏻ HOLD▶
Slide and hold in the opposite direction
of the arrow for power on/off.
Slide in the direction of the arrow to
lock the button functions.
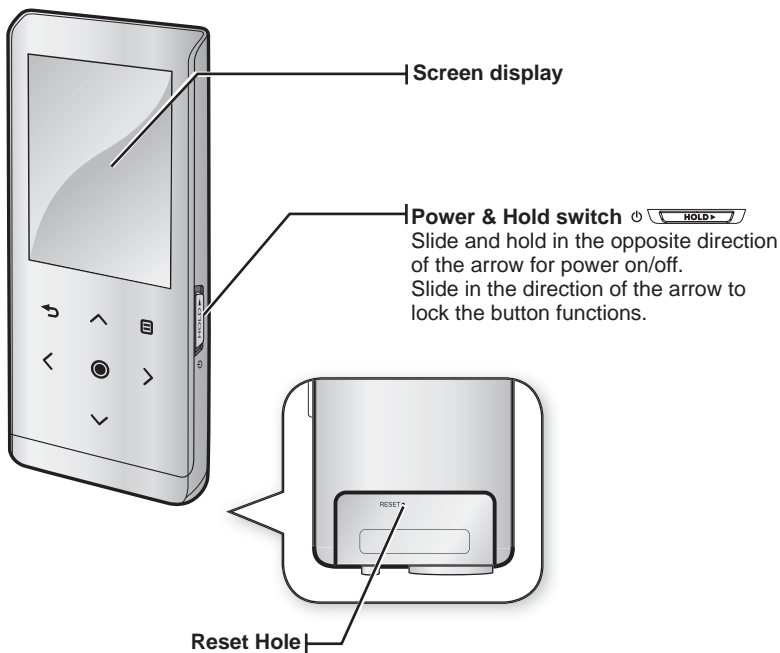
Reset Hole
If a player malfunction occurs,
press the reset hole with a pointed
object to re-initialize the system.

YOUR MP3 PLAYER (Continued)

These buttons are 'Touch' buttons.

▤ Menu button
Tap to display the menu screen.

⌃ Up volume button
Tap to increase the volume or move to an upper item/menu.

↰ Back button
Tap to move to the previous screen. Press and briefly hold to move to the main menu screen.

〈 Left file browser button
Tap to move to the previous track/menu or play the current track from the beginning. Press and briefly hold to quickly scan tracks.

◉ Play/Pause, Select button
Tap to select the play/pause and function, move to the next screen.

⌄ Down volume button
Tap to reduce the volume or move to a lower item/menu.

〉 Right file browser button
Tap to move to next track/menu. Press and briefly hold to quickly scan tracks.

YOUR MP3 PLAYER (Continued)

Earphone connection jack

Neck string hole

USB connection port

Microphone

Earphones

Labeled "L" for the left earpiece and "R" for the right earpiece. Also serves as an antenna for FM Radio in the MP3 player.

SCREEN DISPLAYS

Music

1	**Bluetooth/Lock Indicator**
2	**Parent Menu Indicator**
3	**Battery Status**
4	**Current track playing / Total number of tracks Indicator**
5	**Play Speed Indicator**
6	**Current Time**
7	**Total Play Time**
8	**Play/Pause, Search Indicator**
9	**Music Mode Indicator**
10	**Play Mode Indicator**
11	**DNSe Mode Indicator**
12	**Music Play Screen**
13	**Play Status Bar**
14	**Current Play Time**
15	**Music Title**

Screen labels: 8, 9, 1, 2, 3, 4, 5, 6, 10, 11, 12, 13, 14, 7, 15

Songs · 04:29 PM · 7/15 · x 1.1 · NORMAL · 01:45 · 04:27 · Sweetbox Life is cool

NOTE ▪ The screen pictures are for illustration purposes only. The actual screen may differ.

SCREEN DISPLAYS (Continued)

Video

1	Bluetooth/Lock Indicator	**6**	Video Mode Indicator
2	Battery Status	**7**	File Name
3	Current Time	**8**	Play Status Bar
4	Total Play Time	**9**	Current Play Time
5	Play/Pause, Search Indicator		

SCREEN DISPLAYS (Continued)

Picture
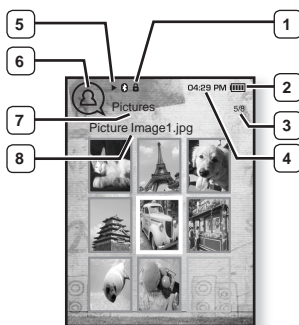
1	**Bluetooth/Lock Indicator**
2	**Battery Status**
3	**Current file /Total number of files Indicator**
4	**Current Time**
5	**Music Play Status**
6	**Picture Mode Indicator**
7	**Parent Menu Indicator**
8	**File Name**

[Preview Screen]

FM Radio
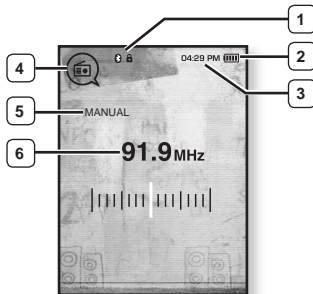
1	**Bluetooth/Lock Indicator**
2	**Battery Status**
3	**Current Time**
4	**Radio Mode Indicator**
5	**Manual/Preset Indicator**
6	**Current Frequency(MHz) Indicator**

MANUAL

91.9MHz

USING THE TOUCH BUTTON

Tap on touch screen with your fingertip.

NOTE

- To avoid damage to the touch screen, do not use any object other than your fingers to operate it.
- Do not tap on the touch screen if your fingers are not clean.
- Do not tap on the touch screen with gloves on.
- The touch screen may not function if you use a fingernail or other instruments such as a ballpoint pen.

CHARGING THE BATTERY

Charge it before using the player for the first time and when you haven't used it for a long time.
The battery for your mp3 player will fully charge in about 3 hours, although total charging time varies depending on your PC environment.

★ ▪ **Before you start -** Remove the earphones before connecting the USB cable.
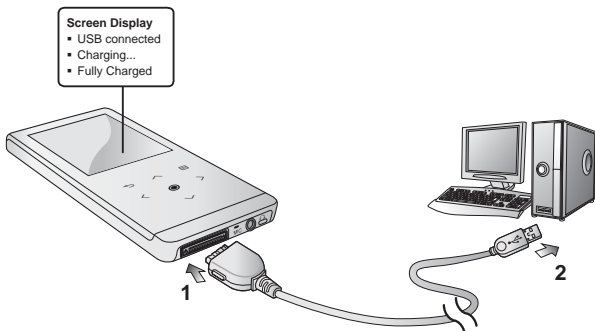
Screen Display
▪ USB connected
▪ Charging...
▪ Fully Charged

1. Connect the other (larger) end of the USB cable to the USB Connection Port on the bottom of the player.
2. Connect the USB cable to the USB port (⟞⟵) on your PC.

CARING FOR THE BATTERY

Your battery will last longer if you follow these simple guidelines for caring and storing it.

- Recharge and store the battery within the temperature range of 5°C~35°C (40°F~95°F).
- Do not overcharge (longer than 12 hours).
  Excessive charging or discharging may shorten the battery's life.
- Battery life naturally shortens slowly over time.

NOTE
- If you are charging the player while it is connected to a laptop computer, make sure the laptop's battery is also fully charged or that the laptop is plugged into its power source.

TURNING THE POWER ON & OFF

Turning the Power on

Slide and hold the ⏻ ⟨ HOLD▸ ⟩ **switch** in the opposite direction of the arrow.

- Power is turned on.

Turning the Power off

Slide and hold the ⏻ ⟨ HOLD▸ ⟩ **switch** in the opposite direction of the arrow again.

- Power is turned off.

NOTE
- Your mp3 player will be automatically turned off when none of the buttons have been pressed for a specific length of time in the pause mode. The factory setting for **<Auto Power Off>** is 1 minute, but you can change this length of time. See page 28 for more information.

PLAYING MUSIC

Load music files onto your new mp3 player using Samsung Media Studio.
Learn more about Media Studio on page 32.

1. Press and briefly hold **[↩]** to move to the main menu screen.

2. Tap **[‹ ›]** to select **<Music>** and tap **[◉]**.

3. Use **[∧ ∨]** and **[◉]** to select a music file of your choice.

4. Tap **[◉]**.

  ▪ The music file will begin playing.

![NOTE] ▪ Tap [↩] to move to the previous screen.
     Press and briefly hold [↩] to move to the main menu screen.

CONTROLLING THE VOLUME

Tap **[∧ ∨]**.

  ▪ You will see a volume control icon.
  ▪ The range of volume is set between 0 to 30.
  ▪ Tap [∧] to increase the volume or [∨] to decrease it.
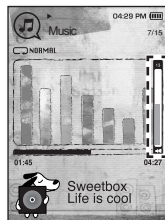
DISABLING THE BUTTONS

The hold function disables all the other buttons on the mp3 player, so that if you accidentally bump one-while working out, for example-your music won't be interrupted.

1. Slide the ⟍ HOLD ▸ ⟋ **switch** in the direction of the arrow.

2. Slide the ⟍ HOLD ▸ ⟋ **switch** in the opposite direction of the arrow to release the Lock function.

BROWSING FOR FILES USING "File Browser"

Search easily for files using the **"File Browser"** function.

1. Press and briefly hold **[↻]** to move to the main menu screen.

2. Tap **[‹ ›]** to select **<File Browser>** and tap **[◉]**.
   - The <File Browser> folder list containing "Music, Playlists, Video, Pictures, Datacasts, Texts and Recorded Files" appears.

3. Tap **[⌃ ⌄]** to select a desired folder.

4. Tap **[◉]** to bring up the file list in the selected folder.
   - Tap [↻] to move to the previous screen.

5. Tap **[⌃ ⌄]** to select a desired file.

6. Tap **[◉]**.
   - The file will start playing.

CHANGING THE SETTINGS AND PREFERENCES

Your mp3 player comes with settings and preferences that were set up at the factory, but you can change these pre-set values to truly customize your player.

NOTE
- Tap **[⤺]** to move to the previous screen.
  Press and briefly hold **[⤺]** to move to the main menu screen.

Menu Style Settings

You can change the menu design and font and delete background image of the main menu.

1. Press and briefly hold [⤺] to move to the main menu screen.
2. Tap **[‹ ›]** to select **<Settings>** and tap **[◉]**.
   - The <Settings> menu appears.
3. Tap **[∧ ∨]** to select **<Menu Style>** and tap **[◉]**.
   - The <Menu Style> menu appears.
4. Use the **[∧ ∨]** and **[◉]** to set functions.
   - Tap [◉] to move to the next item/select the menu.
   - Tap [∧ ∨] to move up or down through the current menu.
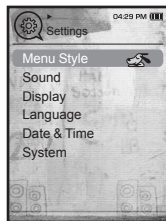
Menu Style Setting Options

- **Menu Design** : You can change the style of the main menu screen. Select from <Sammy>, <Pendant> and <My Skin>.
- **Color Tone** : You can change the menu and screen background color. If you set <Sammy> in <Menu Design>, <Color Tone> will be disabled.
- **Font** : You can change the font type of the menu language. Select one from 3 font types. In some menu languages, <Font> will be disabled.
- **Reset My Skin** : Initializes the background image of the screen display to its default image. If you set <Sammy> or <Pendant> in <Menu Design>, <Reset My Skin> will be disabled.

Sound Settings

You can set Master EQ, Beep Sound and Volume Limit.

1. Press and briefly hold **[↶]** to move to the main menu screen.

2. Tap **[‹ ›]** to select **<Settings>** and tap **[◉]**.
   ▪ The <Settings> menu appears.

3. Tap **[ᐱ ᐯ]** to select **<Sound>** and tap **[◉]**.
   ▪ The <Sound> menu appears.

4. Use the **[ᐱ ᐯ]** and **[◉]** to set functions.

Sound Setting Options

▪ **Master EQ** : You can optimize sound settings.
  Tap [‹ ›] to select the frequency you want to adjust. Tap [ᐱ ᐯ] to adjust the selected frequency's level and then tap [◉].

▪ **Beep Sound** : Sets the beep sound for button operations to on or off. Select from **<Off>** and <On>. During music playback, the beep will be disabled even if set to <On>.

▪ **Volume Limit** : You can avoid hearing damage by setting the limit of the volume when using the earphone. <On> will limit the maximum volume level to 15. The maximum volume level when volume limit is set to <Off> is 30. Even if you have selected <Off>, the volume will be set back to 15 to avoid hearing damage when you turn the player back on.

CHANGING THE SETTINGS AND PREFERENCES (Continued)

Display Settings

Change the display off time and brightness of your screen.

1. Press and briefly hold **[⤺]** to move to the main menu screen.

2. Tap **[< >]** to select **<Settings>** and tap **[◉]**.
   - The <Settings> menu appears.

3. Tap **[∧ ∨]** to select **<Display>** and tap **[◉]**.
   - The <Display> menu appears.

4. Use the **[∧ ∨]** and **[◉]** to set functions.
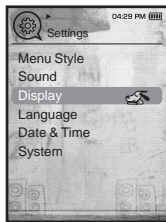
Display Setting Options

- **Display Off** : If no buttons are tapped within the time set shown below, the screen display will automatically be turned off. Select either <15 sec>, <30 sec>, <1 min>, <3 min>, <5 min> or <Always On>. Press any button to turn it back on.
- **Brightness** : You can adjust the brightness of the display screen. Select a level from <0-10>, where 10 is the brightest.

Language Settings

The menus on your new mp3 player can be set to appear in any one of multiple languages. You can change your preference language easily.

1. Press and briefly hold **[⤺]** to move to the main menu screen.

2. Tap **[‹ ›]** to select **<Settings>** and tap **[◉]**.
   - The <Settings> menu appears.

3. Tap **[∧ ∨]** to select **<Language>** and tap **[◉]**.
   - The <Language> list appears.
   - <English>, <한국어>, <Français>, <Deutsch>, <Italiano>, <日本語>, <简体中文>, <繁體中文>, <Español>, <Русский>, <Magyar>, <Nederlands>, <Polski>, <Português>, <Svenska>, <ไทย>, <Čeština>, <Ελληνικά>, <Türkçe>, <Norsk>, <Dansk>, <Suomi>, <Español (Sudamérica)>, <Português (Brasil)>, <Indonesia>, <Tiếng Việt>, <Bulgarian>, <Română>, <Українська>, <Slovenščina>, <Slovenský>.

4. Tap [∧ ∨] to select a desired language and tap [◉].
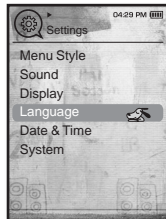
NOTE
- The supported languages can be changed or added.

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Date&Time Settings

You can set the current time and date.

1. Press and briefly hold **[⤺]** to move to the main menu screen.

2. Tap **[‹ ›]** to select **<Settings>** and tap **[◉]**.
   - The <Settings> menu appears.

3. Tap **[∧ ∨]** to select **<Date&Time>** and tap **[◉]**.
   - The <Date&Time> screen appears.

4. Tap **[‹ ›]** to move to **<Year, Month, Date, Hour, Min, AM/PM>** and tap **[∧ ∨]** to set each item.

5. Tap **[◉]**.

6. Tap **[‹ ›]** to select **<Yes>** and tap **[◉]**.
   - The time setting is completed.
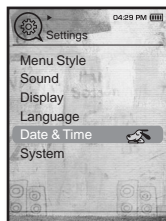
CHANGING THE SETTINGS AND PREFERENCES (Continued)

System Settings

Choose the sleep timer, start mode, auto power off, default setting that's right for you.

1. Press and briefly hold **[↰]** to move to the main menu screen.

2. Tap **[‹ ›]** to select **<Settings>** and tap **[◉]**.
   - The <Settings> menu appears.

3. Tap **[∧ ∨]** to select **<System>** and tap **[◉]**.
   - The <System> menu appears.

4. Use the **[∧ ∨]** and **[◉]** to set functions.

System Setting Options

- **Sleep** : Turns off power automatically after the preset time. Select either <Off>, <15min>, <30min>, <60min>, <90min>, or <120min>.

- **Start Mode** : You can set the start screen displayed when you turn on the player. Select from <Main Menu> and <Last State>. Select <Main Menu> to start the system with the main menu screen while <Last State> will use the last used menu screen.

- **Auto Power Off** : Automatically turns power off when there is no button operation after the preset time in the pause mode. Select either <15sec>, <30sec>, <1min>, <3min>, <5min> or <Always On>.

- **Default Set** : Returns all settings to the default value. Select either <Yes> or <No>. <Yes> initializes all settings to default. <No> cancels default settings.

- **Format** : Formats the internal memory. Select either <Yes> or <No>. Selecting <Yes> will format the internal memory and delete all files on the player. Selecting <No> does not format the internal memory. Check before formatting it.

- **About :** Checks the firmware version and memory capacity. <Firmware Version> displays the current firmware version. <Used> indicates the usage, <Available> indicates the remaining capacity and <Total> indicates the total memory capacity.

NOTE
- **Regarding the Built-In Memory**
  1GB=1,000,000,000 bytes : actual formatted capacity may be less as the internal firmware uses a portion of the memory.

RESETTING THE SYSTEM

If your mp3 player won't turn on, won't play music, or isn't recognized by your computer when you connect it, you may have to reset the system.
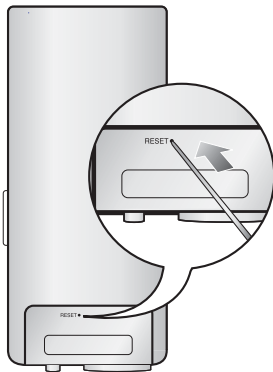
Press the Reset hole at the rear of the player with a pointed object such as a safety clip.

- The system will be initialized.
- Your settings and files will not be affected.

samsung media studio

Samsung Media Studio is the easy-to-use software application that helps you organize your files on your PC. With your files already sorted and organized in Media Studio, you can quickly transfer them to your mp3 without searching your entire hard drive for the right file.

PC REQUIREMENTS

Your PC system must meet the following minimum specifications in order to install and run Media Studio:

• Pentium 500MHz or higher

• USB Port 2.0

• Windows XP Service Pack 2 or higher

• DirectX 9.0 or higher

• 100MB of free hard disc space

• CD Rom Drive (2X or higher)

• Windows Media Player 10.0 or higher

• Resolution 1024 X 768 or higher

• Internet Explorer 6.0 or higher

• 512MB RAM or higher

INSTALLING SAMSUNG MEDIA STUDIO

⚠️ **CAUTION**
- Ensure that you run the <Media Studio> installer in your PC's administrator account. Otherwise, <Media Studio> will not be installed. To find the administrator account, please refer to your PC's user manual.

1. Insert the Installation CD provided with the player into the CD-ROM drive.

2. Click **<Install Now>**.

3. Click **<Next>**.
- <Media Studio> installation starts and then creates an 📀 **icon** on your desktop when installation is complete.

TRANSFERRING FILES TO THE PLAYER WITH SAMSUNG MEDIA STUDIO

<Media Studio> enables you to select and organize files and folders before transferring them to your player. This will make scanning files on your mp3 player easier and faster. <Media Studio> file transfer is the easiest way to get files from your PC to your mp3 player.

★ ▪ **Before you start** - Remove the earphones before connecting the USB cable.
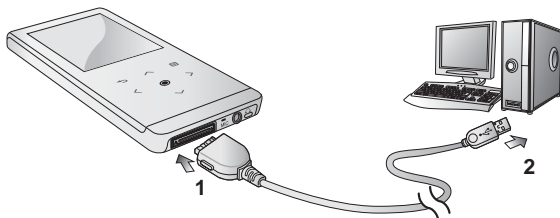
1. Connect the other (larger) end of the USB cable to the USB Connection Port on the bottom of the player.

2. Connect the USB cable to the USB port (•⟷•) on your PC.
   ▪ <USB connected> appears on the screen display of the player.
   ▪ <Media Studio> will automatically start when the player is connected to your PC.
   ▪ If the program does not start automatically, double click the <Media Studio> **icon** 🖳 on the desktop.

📝 ▪ Music recognition technology and related data are provided by Gracenote and
NOTE Gracenote CDDB® Music Recognition Service℠.

   ▪ CDDB is a registered trademark of Gracenote. The Gracenote logo and logotype, the Gracenote CDDB logo and logotype, and the "Powered by Gracenote CDDB" logo are trademarks of Gracenote. Music Recognition Service and MRS are service marks of Gracenote.

TRANSFERRING FILES TO THE PLAYER WITH SAMSUNG MEDIA STUDIO (Continued)

3. Click the icon for the type of file you want to transfer.

- Click ♪ to display music list.
- Click ⊕ to display video list.
- Click ◘ to display picture list
- Click ETC to display etc list. The ETC list includes file types (ex: TXT, etc) other than music, picture, and video files.

4. Click **<Add File>** on the bottom of <Media Studio>.

- The <Open> window will appear.

5. Select the files to add and click **<Open>**.

- The files are added to the list on the left side the <Media Studio> Screen.

6. Select the file to transfer from the list on the left side.

7. Click the 📑 **icon**.

- The file you selected is transferred to the player.

TRANSFERRING FILES TO THE PLAYER WITH SAMSUNG MEDIA STUDIO (Continued)

CAUTION
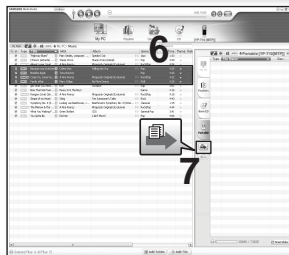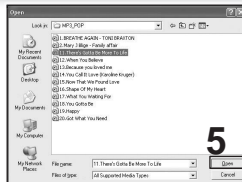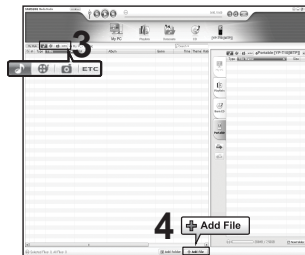
- Do not disconnect the USB cable during file transfer. Disconnecting during transfer may damage the player or your PC.
- Connect the player to the computer directly rather than through a USB hub to avoid an unstable connection.

NOTE

- When transferring a video file to the player using <Media Studio>, it is automatically converted into. SVI format before transfer. The file size is automatically adjusted, too.
- When transferring a picture file to the player using <Media Studio>, it is automatically converted into JPG format before transfer. The file size is automatically adjusted, too.
- A picture that is transferred to the player without using <Media Studio> can look different on the screen from the original picture.
- All functions are disabled during connection.
- If you connect the USB cable to the PC in the Low Battery condition, the player will be charged for several minutes before connecting to the PC.
- Samsung Media Studio has a thorough Help function. If you can't find the answer to your question about Media Studio, click **<MENU>** → **<Help>** → **<Help>** on the top of the <Media Studio> program.
- **What is SVI?**
  Samsung Audio Video interleaving(SVI) is a new video format developed and controlled by Samsung.

listening to music

★ • **Before you start -** Connect the earphones, then turn on the player, and check the battery.

📝
NOTE
• Tap **[↩]** to move to the previous screen.
Press and briefly hold **[↩]** to move to the main menu screen.

LISTENING BY CATEGORY

1. Press and briefly hold **[↩]** to move to the main menu screen.

2. Tap **[‹ ›]** to select **<Music>** and tap **[◉]**.
  • The <music> list appears.

3. Tap **[⌃ ⌄]** to select the desired list and tap **[◉]**.
  • The music files appears.

4. Tap **[⌃ ⌄]** to select the file to play and tap **[◉]**.
  • The music will start playing.

	04:29 PM
🎵 Music	
Now Playing	🎧
Artists	
Albums	
Songs	
Genres	
Playlists	
Recorded Files	
Music Browser	
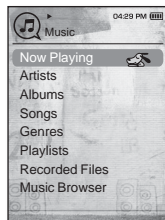
Music List

File information including the artist name, album name, music title and genre will be displayed according to the ID3 Tag information on the appropriate music file. A file without an ID3 Tag is displayed as [Unknown].

Now Playing : Plays a recently played file or moves to the playback screen of the current file.
Artists : To play by artist   **Albums** : To play by album
Songs : To play in numeric or alphabetical order   **Genres** : To play by genre
Playlists : To play by Playlist.
Recorded Files : Shows all recorded files.
Music Browser : Shows all the music files stored in the Music Folder.

📝
NOTE
• MP3 and WMA music files are compatible with the player.
• MP1 or MP2 files which only have a changed extension to MP3, may not play on the player.
  • **What is an ID3 Tag?**
    This is what is attached to an MP3 to carry information relevant to the such as the title, artist, album, year, genre and a comment field.

PAUSING

1. Tap **[◉]** while the music is playing.
- The music playback will be paused.

2. Tap **[◉]** again.
- The music will play from the point where it stopped.

SEARCHING WITHIN A TRACK

1. Press and briefly hold **[‹ ›]** while the selected track is playing.
- It searches to the beginning or the end of the track.

2. Release the button at the point you wish to start.
- It starts playing from the point you release the button.

PLAYING FROM THE BEGINNING OF THE CURRENT TRACK

1. Tap **[‹]** after 3 seconds of play.
- The current track starts playing from the beginning.

PLAYING THE PREVIOUS TRACK

Tap **[‹]** within 3 seconds of play.

Tap **[‹]** twice after 3 seconds of play.
- The previous track will start playing.

PLAYING THE NEXT TRACK

Tap **[›]**.
- The next track will start playing.

⚠ **CAUTION** ▪ For a VBR file, the previous music file cannot be played even if you tap [‹] within 3 seconds after it started.

CREATING A PLAYLIST USING SAMSUNG MEDIA STUDIO

With <Media Studio>, you can create your own collection, or playlist, of audio files.

★ ▪ **Before you start -** Connect the player to your PC.
　　　　　　　　　　　　Media Studio must be installed on your PC.

Creating a Playlist
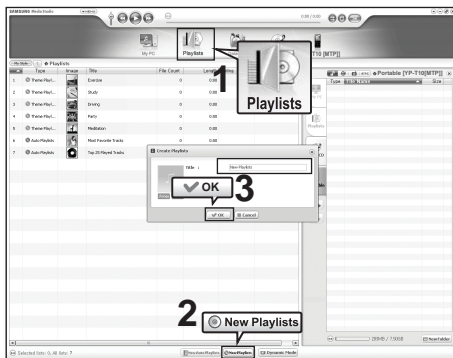
1. Click **<Playlists>** on the top of <Media Studio>.
   ▪ The <Playlists> window appears.
2. Click **<New Playlists>** on the bottom.
   ▪ The <Create Playlists> window appears.
3. Type in the playlist title and click **[OK]**.
   ▪ A new playlist will be named and stored in the <Playlists> section of <Media Studio>.

CREATING A PLAYLIST USING
SAMSUNG MEDIA STUDIO (Continued)

Adding music files to a Playlist you've created
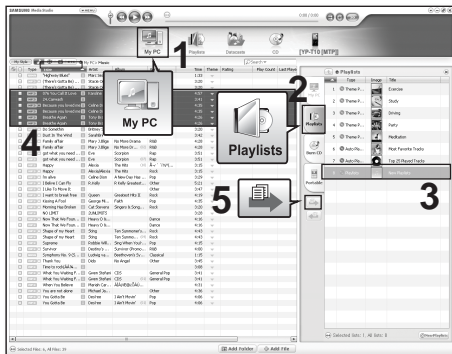
1. Click **<My PC>** on the top of <Media Studio>.
   - The <My PC> window appears.

2. Click **<Playlists>** in the right corner of the window.
   - The <Playlists> window appears.

3. Double click on a playlist in the right window.

4. Select files that you want to transfer in the **<My PC>** window.

5. Click 📇.
   - The selected files will be added to the playlist.

CREATING A PLAYLIST USING
SAMSUNG MEDIA STUDIO (Continued)

Transferring a Playlist to your player using Media Studio
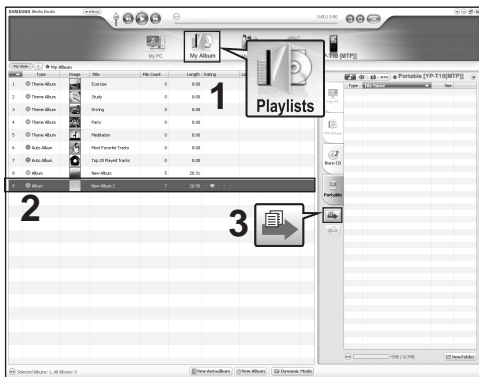
1. Click **<Playlists>** on the top of <Media Studio>.
   - The <Playlists> window appears.

2. Select a playlist in the **<Playlists>** section.

3. Click 📩.
   - The selected playlist will be transferred to the player folder by folder in <File Browser> → <Playlists>.

NOTE
- The player can play up to 400 playlists and up to 400 music files for each playlist.

CREATING A PLAYLIST ON YOUR MP3 PLAYER

If you've already downloaded files to your mp3 player, you can create a "Favorites" playlist without Media Studio or your PC.

1. Press and briefly hold **[↺]** to move to the main menu screen.

2. Tap **[‹ ›]** to select **<File Browser>** and tap **[◉]**.

3. Tap **[∧ ∨]** to select **<Music>** and tap **[◉]**.

  ▪ The music file list appears.

4. Tap **[∧ ∨]** to select a file to add to the favorite list and tap **[⊟]**.

  ▪ The Playlist menu appears.

5. Tap **[∧ ∨]** to select **<Add to Playlist>** and tap **[◉]**.

  ▪ <Playlist 1> to <Playlist 5> appears.

6. Tap **[∧ ∨]** to select a playlist number to add the selected file and tap **[◉]**.

  ▪ The selected file will be added to the playlist.

  ▪ You can check the playlist in <Music> → <Playlists> → <Playlist 1> to <Playlist 5> in the main menu.

  NOTE ▪ You can add up to 200 music files to each playlist (<Playlist 1> to <Playlist 5>).
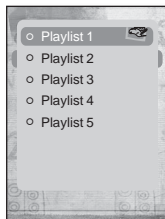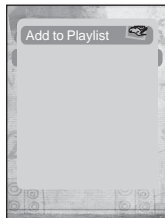
PLAYING A PLAYLIST

1. Press and briefly hold **[↰]** to move to the main menu screen.

2. Tap **[‹ ›]** to select **<Music>** and tap **[◉]**.
- The music list appears.

3. Tap **[︿ ﹀]** to select **<Playlists>** and tap **[◉]**.
- The playlist(s) will appears.

4. Tap **[︿ ﹀]** to select the playlist of your choice and tap **[◉]**.
- Music files stored in the selected playlist appear.
- If there is no playlist found, you will see a <No file> message on the screen.

5. Tap **[︿ ﹀]** to select a music file to play, then tap **[◉]**.
- The music file will start playing.

NOTE
- See pages 37 and 39 to see how to transfer the playlist using <Media Studio>.
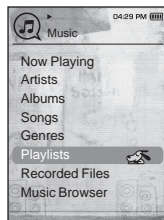
DELETING A FILE FROM THE PLAYLIST

1. Press and briefly hold **[↺]** to move to the main menu screen.

2. Tap **[‹ ›]** to select **<Music>** and tap **[◉]**.
   ▪ The music list appears.

3. Tap **[∧ ∨]** to select **<Playlists>** and tap **[◉]**.
   ▪ The playlist(s) will appears.

4. Tap **[∧ ∨]** to select the playlist of your choice and tap **[◉]**.
   ▪ Music files stored in the selected playlist appear.

5. Tap **[∧ ∨]** to select a file to delete from the playlist and tap **[▤]**.
   ▪ The playlist menu appears.

6. Tap **[∧ ∨]** to select **<Delete from Playlist>** and tap **[◉]**.
   ▪ The selected file is deleted from the playlist.

📖 **NOTE**
   ▪ The selected file in the playlist cannot be deleted while its playing back.
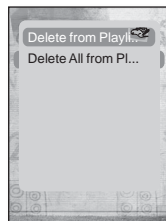
DELETING ALL FILES FROM THE PLAYLIST

Follow the steps 1-4 above.

5. Tap **[▤]**.
   ▪ The playlist menu appears.

6. Tap **[∧ ∨]** to select **<Delete All from Playlist>** and tap **[◉]**.
   ▪ All files are deleted from the playlist.
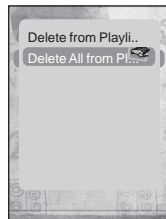
USING THE MUSIC MENU

The Music menu allows you manage all facets of listening - from repeating tracks and albums to choosing the background on the screen as you listen.

To set the sound effect

You can enjoy clearer sound.

1. Tap **[回]** while listening to music.
   - The <Music> menu appears.

2. Tap **[∧ ∨]** to select **<Sound Effect>** and tap **[◉]**.
   - The <Sound Effect> menu appears.

3. Tap **[∧ ∨]** to select the desired sound effect and tap **[◉]**.
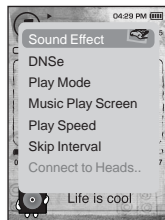
Sound Effect Options

- **Street Mode :** Allows you to hear the music outdoors clearly by filtering out some of the street noise. Select either <Off> or <On>.
- **Clarity** : You can enjoy clearer sound with improved quality. Select from 0 - 2.

NOTE
- To exit the menu, tap [回].

USING THE MUSIC MENU (Continued)

To set the Digital Natural Sound engine (DNSe)

Select the right sound for each music genre.

1. Tap **[☰]** while listening to music.
   - The <Music> menu appears.

2. Tap **[∧ ∨]** to select **<DNSe>** and tap **[◉]**.
   - The <DNSe> menu appears.

3. Tap **[∧ ∨]** to select a desired DNSe and tap **[◉]**.
   - Select from <Normal>, <Studio>, <Rock>, <Classical>, <Jazz>, <Ballad>, <Club>, <Rhythm & Blues>, <Dance>, <Concert Hall> and <User>.
   - You can set <EQ> and <3D&Bass> when you have selected <User>.

NOTE

- **What is DNSe?**
  Digital Natural Sound Engine (DNSe) is a sound effect function for MP3 players developed by Samsung. It provides various sound settings to enhance the type of music you're listening to.
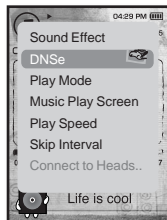
USING THE MUSIC MENU (Continued)

To set the Digital Natural Sound engine (DNSe) (Continued)

<EQ>

You can adjust individual sound frequencies to your preference.

1. Tap **[∧∨]** in the DNSe menu to select **<User>** and tap **[>]**.
2. Tap **[∧∨]** to select **<EQ>** and tap **[◉]**.
   - The <EQ> setting screen appears.
3. Tap **[< >]** to select the frequency you want to adjust and tap **[∧∨]** to adjust the selected frequency's level.
   - You can select from –10 to +10 for **<EQ>**.
4. Tap **[◉]**.
   - The setting is completed.
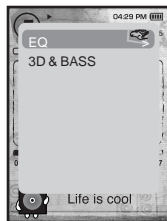
<3D&BASS>

You can set the 3D surround sound and bass boost level.

1. Tap **[∧∨]** in the DNSe menu to select **<User>** and tap **[>]**.
2. Tap **[∧∨]** to select **<3D & BASS>** and tap **[◉]**.
   - The <3D & BASS> setting screen appears.
3. Tap **[< >]** to select **<3D>** or **<BASS>** and tap **[∧∨]**.
   - You can select a <3D> level from 0 to 4, and <BASS> from 0 to 4.
4. Tap **[◉]**.
   - The setting is completed.

listening to music _ **45**
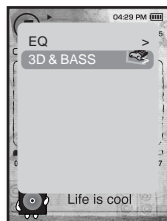
USING THE MUSIC MENU (Continued)

To set the play mode

Select playback mode such as repeat settings.

1. Tap **[▤]** while listening to music.
   - The <Music> menu appears.
2. Tap **[∧ ∨]** to select **<Play Mode>** and tap **[◉]**.
   - The <Play Mode> menu appears.
3. Tap **[∧ ∨]** to select the desired mode and tap **[◉]**.
   - Select from <Normal>, <Repeat>, <Repeat One> and <Shuffle>.
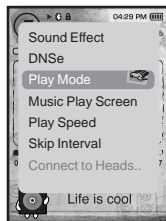
Play Mode Options

- **Normal :** To play all the tracks in order one time.
- **Repeat** : To repeat all files in the current folder.
- **Repeat One** : To repeat one file.
- **Shuffle** : To play files at random.

USING THE MUSIC MENU (Continued)

To select the music play screen

Choose a background image from those provided, or choose an image of your own to be displayed as you listen to music.

1. Tap **[ ]** while listening to music.
   - The <Music> menu appears.

2. Tap **[ˆ ˇ]** to select **<Music Play Screen>** and tap **[ ]**.
   - The <Music Play Screen> menu appears.

3. Tap **[‹ ›]** to select a desired music play screen and tap **[ ]**.
   - Select from <Type 1>, <Type 2>, <Type 3>,<Type 4>, <Album Art> and <Album Info.>.

04:29 PM

Sound Effect
DNSe
Play Mode
Music Play Screen
Play Speed
Skip Interval
Connect to Heads..

Life is cool
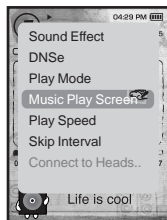
Music Play Screen Options

- **Type 1 ~ Type 4 :** You can select a desired music play screen.
- **Album Art :** The album cover image displays if an album cover image is included in the ID3 Tag information of the music file.
   Album Cover images less than 200 pixel (horizontal) x 200 pixel(vertical) in size are supported.
- **Album Info. :** Information on the artist name, album and genre displays if ID3 Tag information is stored on the music file.

NOTE
- If you set <Sammy> in <Menu Design>, <Album Art> can not be displayed.

- **What is an ID3 Tag?**
   This is what is attached to an MP3 to carry information relevant to the file, such as the title, artist, album, year, genre and a comment field.

USING THE MUSIC MENU (Continued)

To set the play speed

Speed up or slow down your favorite music by adjusting the play speed.

1. Tap [▤] while listening to music.
   ▪ The <Music> menu appears.

2. Tap [∧ ∨] to select **<Play Speed>** and tap **[◉]**.
   ▪ The <Play Speed> menu appears.

3. Tap [∧ ∨] to select a desired play speed and tap **[◉]**.
   ▪ Select from <X 0.7>, <X0.8>, <X 0.9>, <X 1.0(Normal)>, <X 1.1>, <X 1.2> and <X 1.3>.
   ▪ The higher the number is, the faster the speed is.

![Screen showing Music menu with options: Sound Effect, DNSe, Play Mode, Music Play Screen, Play Speed (highlighted), Skip Interval, Connect to Heads.., with "Life is cool" at bottom. Time 04:29 PM]

▪ The adjusted play speed may differ from the actual speed, depending on **NOTE** the file.
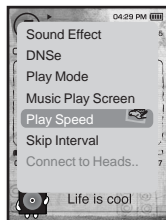
To set the skip interval

You can fast forward through a file at various intervals. Skip a whole track or skip several seconds at a time.

1. Tap [▤] while listening to music.
   ▪ The <Music> menu appears.

2. Tap [∧ ∨] to select **<Skip Interval>** and tap **[◉]**.
   ▪ The <Skip interval> menu appears.

3. Tap [∧ ∨] to select a desired skip interval and tap **[◉]**.
   ▪ Select from <1 Song>, <5sec>, <10sec>, <30sec> and <1min>.

![Screen showing Music menu with options: Sound Effect, DNSe, Play Mode, Music Play Screen, Play Speed, Skip Interval (highlighted), Connect to Heads.., with "Life is cool" at bottom. Time 04:29 PM]

▪ If the file was developed with a variable bit rate, the **NOTE** actual length of the skip interval may not be exactly what you select.
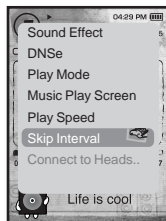
USING THE MUSIC MENU (Continued)

★ ▪ **Before you start -** Use only the Bluetooth-certified stereo headset.
Check if the stereo headset has been registered. <Connect to Headset> appears when there is a registered headset. For more information, refer to <Using a Bluetooth Stereo Headset>. See page 79

To connect a Bluetooth stereo headset

You can connect directly to the registered Bluetooth stereo headset during music playback.

1. Tap **[ ]** while listening to music.
   ▪ The <Music> menu appears.

2. Tap **[∧ ∨]** to select **<Connect to Headset>** and tap **[ ]**.
   ▪ If <Bluetooth Mode> is set to <Off>, it will be changed to <On>.
   ▪ When the connection is successfully done, you will see the [ ] icon on the screen.
   ▪ You can listen to music through the stereo headset.
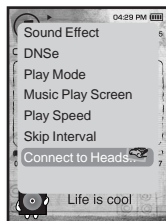
To disconnect the Bluetooth stereo headset

1. Tap **[ ]** while listening to music.
   ▪ The <Music> menu appears.

2. Tap **[∧ ∨]** to select **<Disconnect Headset>** and tap **[ ]**.
   ▪ The Bluetooth headset is disconnected.

📝 **NOTE** ▪ Some menu will not be selected while the player is connecting to the Bluetooth stereo headset.
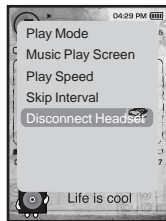
watching a video

> ★ ▪ **Before you start -** Connect the earphones, then turn on the player, and check the battery. Transfer a video file to the player. See pages 32~34

> 🎼 ▪ Tap **[↰]** to move to the previous screen.
> **NOTE** Press and briefly hold **[↰]** to move to the main menu screen.

1. Press and briefly hold **[↰]** to move to the main menu screen.

2. Tap **[‹ ›]** to select **<Videos>** and tap **[◉]**.
   ▪ The video list appears.

3. Tap **[∧ ∨]** to select a video to play and tap **[◉]**.
   ▪ The selected video file starts to play horizontally.

TO PAUSE PLAYING DURING THE PLAYBACK

1. Tap **[◉]** during a video playback.
   ▪ The player pauses playing.

2. Tap **[◉]** again.
   ▪ The player resumes playing from the last played point.

> 🎼 ▪ When transferring a video file to the player using <Media Studio>, it is automatically
> **NOTE** converted into SVI format before transfer. The file size is automatically adjusted, too.

TO MOVE TO A SPECIFIC FRAME

1. In horizontal view, press and briefly hold [‹ ›].
- This enables you to move backwards or forwards in the current video file.

2. Release the button when you have moved to the position you want.
- The video starts playing from the position.

TO PLAY THE PREVIOUS VIDEO FILE

1. Tap [‹] within 3 seconds after the current file started playing.
Tap [‹] twice 3 seconds after the current file started playing.
- This will return to the previous movie.

TO PLAY THE NEXT VIDEO FILE

1. Tap [›].
- This will move to the next movie.

USING THE VIDEO MENU

NOTE
- To exit the menu, tap [ ].

To adjust the brightness

You can adjust the screen brightness.

1. Tap **[ ]** during a video playback.
   - The <Video> menu appears.
2. Tap **[∧ ∨]** to select **<Brightness>** and tap **[ ]**.
   - The <Brightness> menu appears.
3. Tap **[∧ ∨]** to select a desired brightness and tap **[ ]**.
   - Select from <0~10>.

To set the Digital Natural Sound engine (DNSe)

Select the right sound for each video genre.

1. Tap**[ ]** during a video playback.
   - The <Video> menu appears.
2. Select **<DNSe>** and tap **[ ]**.
   - The <DNSe> menu appears.
3. Tap **[∧ ∨]** to select a desired DNSe and tap **[ ]**.
   - Select from **<Normal>**, **<Drama>** and **<Action>**.

NOTE
- **What is DNSe?**
  Digital Natural Sound Engine (DNSe) is a sound effect function for MP3 players developed by Samsung. It provides various sound settings to enhance the type of music you're listening to.

USING THE VIDEO MENU (Continued)

⭐ • **Before you start -** Use only the Bluetooth-certified stereo headset.
   Check if to make sure your Bluetooth stereo headset has been registered.
   <Connect to Headset> appears when there is a registered headset.
   For more information, refer to <Using a Bluetooth Stereo Headset>. See
   page 79

To connect a Bluetooth stereo headset

You can directly connect to a registered Bluetooth headset during video
playback.

1. Tap **[≡]** during a video playback.
   • The <Video> menu appears.

2. Select **<Connect to Headset>** and
   tap **[◉]**.
   • If <Bluetooth Mode> is set to <Off>, it will be
     changed to <On>.
   • When the connection is successfully done, you
     will see the [🎧] icon on the screen.
   • You can enjoy listening to audio on video file via the stereo headset.

To disconnect the Bluetooth stereo headset

1. Tap **[≡]** during a video playback.
   • The <Video> menu appears.

2. Select **<Disconnect Headset>** and
   tap **[◉]**.
   • The Bluetooth headset is disconnected.

📝 • Some menu will not be selected while the player is connecting to the Bluetooth
NOTE stereo headset.

viewing pictures

⭐ **Before you start -** Connect the earphones, then turn on the player, and check the battery.

📝
NOTE
- Tap **[↶]** to move to the previous screen.
  Press and briefly hold **[↶]** to move to the main menu screen.

1. Press and briefly hold **[↶]** to move to the main menu screen.

2. Tap **[‹ ›]** to select **<Pictures>** and tap **[◉]**.
- The picture preview window appears.

3. Tap **[∧ ∨ ‹ ›]** to select the picture you want to look at and tap **[◉]**.
- The selected picture will be displayed.
- Tap [↶] to move to the preview window.
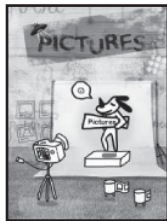
To move to the previous/next picture

1. In horizontal view, tap **[‹ ›]**.
- The previous/next picture will be displayed.

📝
NOTE
- A JPG file including incorrect thumbnail data will be displayed in 🖼.
- Some picture can be displayed slowly.
- When transferring a picture file to the player using <Media Studio>, it is automatically converted into JPG format before transfer. The file size is automatically adjusted, too.
- You can also use the <File Browser> to search for a picture. See page 21.

USING THE PICTURE MENU

- To exit the menu, tap **[☰]**.

To listen to music while viewing your picture

You can listen to the song that you last played while viewing your picture.

1. Tap **[☰]** while viewing a picture.
   - The <Picture> menu appears.

2. Tap **[∧ ∨]** to select **<Music>** and tap **[◉]**.
   - The <Music> menu appears.

3. Tap **[∧ ∨]** to select **<Off>** or **<On>** and tap **[◉]**.

Music	
Start Slideshow	
Slideshow Speed	
Zoom	
Rotate	
Select as My Skin	

   - <Off> : No background music is played while viewing a picture.
   - <On> : You can listen to the music that you last played while viewing your picture.
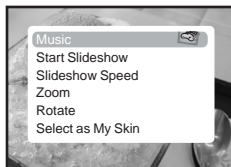
To watch a slideshow

How To 1

1. Tap **[◉]** while viewing a picture.
   - You will see 📑 on the screen and then the player will start the slideshow.

How To 2

1. In the picture preview mode, tap **[☰]**.
   - The Start Slideshow window appears.

2. Tap **[◉]**.
   - You will see 📑 on the screen and then the player will start the slideshow.

USING THE PICTURE MENU (Continued)

To stop the slideshow

How To 1

1. In the slideshow mode, tap **[◉]**.
   - The slideshow stops.

How To 2

1. In the slideshow mode, tap **[目]**.
   - The <Picture> menu appears.

2. Tap **[∧ ∨]** to select **<Stop Slideshow>** and tap **[◉]**.
   - The slideshow stops.
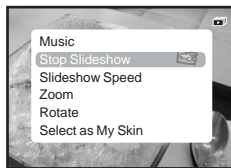
To set the slideshow speed

1. Tap **[目]** while viewing a picture.
   - The <Picture> menu appears.

2. Tap **[∧ ∨]** to select **<Slideshow Speed>** and tap **[◉]**.
   - The <Slideshow speed> menu appears.

3. Tap **[∧ ∨]** to select a desired speed and tap **[◉]**.
   - Select from <Fast>, <Normal> and <Slow>.
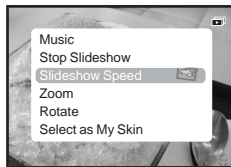
USING THE PICTURE MENU (Continued)

To enlarge a picture

You can zoom in a picture.

1. Tap **[ ]** while viewing a picture.
   - The <Picture> menu appears.
2. Tap **[⌄]** to select **<Zoom>** and tap **[◉]**.
   - The <Zoom> menu appears.
3. Tap **[⌄]** to select a desired scale factor and tap **[◉]**.
   - Select from <100%>, <200%> and <400%>.
4. Tap **[⌄ ‹ ›]** to move to the portion of the picture to magnify.
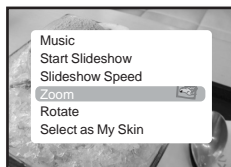
To cancel the zooming

How To 1

1. Tap **[◉]** in an enlarged picture view.
   - This returns to the original size.

How To 2

1. Tap **[ ]** in an enlarged picture view.
   - The <Picture> menu appears.
2. Tap **[⌄]** to select **<Zoom>** and tap **[◉]**.
   - The <Zoom> menu appears.
3. Tap **[⌄]** to select **<100%>** and tap **[◉]**.
   - This returns to the original size.

![NOTE icon] • A big picture file may take awhile to zoom.

USING THE PICTURE MENU (Continued)

To rotate a picture

You can rotate a picture for your convenience.

1. Tap **[ ]** while viewing a picture.
   - The <Picture> menu appears.
2. Tap **[∧ ∨]** to select **<Rotate>** and tap **[ ]**.
   - The <Rotate> menu appears.
3. Tap **[∧ ∨]** to select a desired angle and tap **[ ]**.
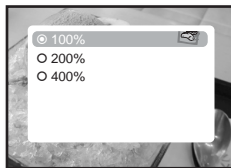   - Select from <Left 90°>, <Right 90°> and <180°>.

Music
Start Slideshow
Slideshow Speed
Zoom
Rotate
Select as My Skin
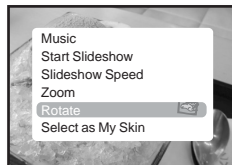
To select a picture as a background image

You can set a desired picture as a background image for the display window.

1. Select a picture file to set as a background image.
   - The <Picture> menu appears.
2. Tap **[∧ ∨]** to select **<Select as My Skin>** and tap **[ ]**.
   - The save confirmation window appears.

Music
Start Slideshow
Slideshow Speed
Zoom
Rotate
Select as My Skin

3. Tap **[‹ ›]** to select **<Yes>** and tap **[ ]**.
   - The selected picture file will be set to the background image.
   - If <My Skin> is selected from <Settings>→ <Menu Style>→ <Menu Design>, the set image will be displayed.
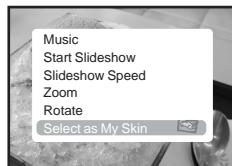
listening to FM radio

⭐ ▪ **Before you start -** Connect the earphones, then turn on the player, and check the battery.

📝
NOTE
▪ Tap **[↰]** to move to the previous screen.
Press and briefly hold **[↰]** to move to the main menu screen.

1. Press and briefly hold **[↰]** to move to the main menu screen.

2. Tap **[〈 〉]** to select **<FM Radio>** and tap **[◉]**.
   ▪ FM radio reception will start.

TO USE THE MUTE FUNCTION

Tap **[◉]** while listening to FM Radio.

   ▪ Sound is muted.

Tap **[◉]** once again to resume listening.

📝
NOTE
▪ Always connect your earphones to the player when searching or setting frequencies. The earphones serve as antennas to receive FM Radio reception.
   ▪ In poor reception areas, the player may not find an available FM frequency.
   ▪ The Bluetooth function cannot be used while you are listening to FM Radio.

TO SEARCH FOR FM STATIONS

1. Press and briefly hold **[‹ ›]** and then release in Manual mode.

  ▪ <Auto Searching....> appears on the display.
    The search will stop at the frequency nearest from the point the button is released.
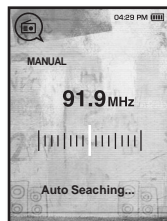
OR,

1. Tap **[‹ ›]** to progress through the frequencies one by one in Manual mode.

  ▪ Moves to frequencies whenever the button is pressed.
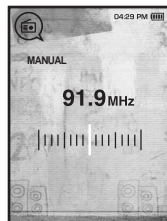
USING THE FM RADIO MENU

To switch to Preset Mode

Select this mode if you want to search through your saved FM presets one preset at a time.

1. Tap **[ ]** in Manual mode.
   - The <FM Radio> menu appears.

2. Tap **[∧ ∨]** to select **<Go to Preset Mode>** and tap **[ ]**.
   - You will see <PRESET> on the screen.

NOTE
- If no preset frequencies are set, you will see <Preset list does not exist> and the player will not switch to <Preset Mode>.
- If you select <Default Set> from <Settings> → <System>, all preset frequencies will be deleted.
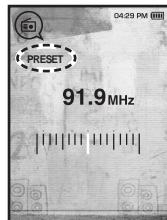
To switch to Manual Mode

Select this mode if you want to manually search through the FM band one frequency at a time.

1. Tap **[ ]** in Preset mode.
   - The <FM Radio> menu appears.

2. Tap **[∧ ∨]** to select **<Go to Manual Mode>** and tap **[ ]**.
   - You will see <MANUAL> on the screen.

To store stations in the Preset memory

You can store up to 30 stations in your MP3 player's memory and return to them with the press of just one number. Have the MP3 player choose only the stations you want using the manual process, or find and store the local stations automatically.

Manual - choose only the stations you want to store

1. Tap **[⟨ ⟩]** to select the desired frequency in Manual mode.
   - The <FM Radio> menu appears.

2. Tap **[▤]**.

3. Tap **[∧ ∨]** to select **<Add to Preset>** and tap **[◉]**.
   - The selected frequency will be added to the preset list with the [.] symbol on the selected frequency bar.

4. To set a preset for other frequencies, follow steps 1-3 above.

```
Go to Preset Mode
Add to Preset        ◉
Auto Preset
Start Recording
FM Sensitivity
FM Region
```
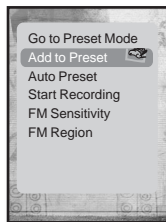
📝
NOTE
- If the same frequency is already set, the <This preset already exists> message appears and the setting is disabled.

USING THE FM RADIO MENU (Continued)

To store stations in the Preset memory (continued)

Automatic - automatically store all the stations the player receives

1. Tap **[▤]** in FM Radio mode.
   - The <FM Radio> menu appears.

2. Tap **[∧ ∨]** to select **<Auto Preset>** and tap **[◉]**.
   - The confirmation window appears.

3. Tap **[‹ ›]** to select **<Yes>** and tap **[◉]**.
   - The <Auto Preset> will appear and up to 30 frequencies are automatically set.

Go to Preset Mode
Add to Preset
Auto Preset
Start Recording
FM Sensitivity
FM Region
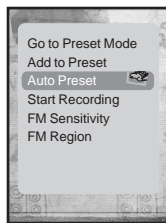
To cancel Auto Preset

If you want to cancel the auto preset, tap **[◉]** in the process.

- The auto preset setting is canceled, and only frequencies set up to that point are stored.

NOTE
- You may want to re-set the stored stations if you're going to listen to your MP3 player in a different city. To delete the preset stations and store new ones, simply repeat the process.

USING THE FM RADIO MENU (Continued)

To listen to preset stations

While in Preset mode, tap **[⟨ ⟩]** to scroll through preset stations.

- You can listen to the stored radio frequency.
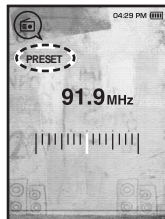
To delete a preset

Follow the steps below to delete frequencies while listening to FM Radio.

1. While in Preset mode, tap **[⟨ ⟩]** to search for a preset frequency to delete and tap **[▤]**.
   - The <FM Radio> menu appears.
2. Tap **[∧ ∨]** to select **<Delete from Preset>** and tap **[◉]**.
   - The selected frequency will be deleted.
3. To delete other preset frequencies, follow steps 1-2 above.
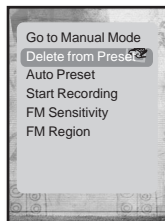
USING THE FM RADIO MENU (Continued)

To record FM Radio broadcasting

You can record FM radio broadcasting at any time while listening to the radio.

1. Tap **[‹ ›]** to select a frequency to record in FM Radio mode and tap **[▤]**.
   - The <FM Radio> menu appears.

2. Tap **[⌄ ⌃]** to select **<Start Recording>** and tap **[◉]**.
   - The file name is displayed and the player starts recording.

Go to Manual Mode
Delete from Preset
Auto Preset
Start Recording
FM Sensitivity
FM Region
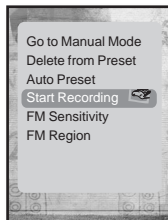
To stop FM recording

1. Tap **[◉]** during the recording.
   - A message appears asking you if you want to listen to the file you just recorded.

2. Tap **[‹ ›]** to select **<Yes>** or **<No>** and tap **[◉]**.
   - Selecting <Yes> will play the just recorded file.
   - Selecting <No> will not play the recorded file.
   - The recorded file is stored in <File Browser> → <Recorded Files>.

FM Record
91.9MHz
00:01:15
07:18:05
FM_001.MP3

04:29 PM

> **NOTE**
> - You can store a maximum of 999 files for FM radio recording.
> - You can make a recording for up to approximately 23 hours (based on 96Kbps, 1GB)
> - The recording file name will be automatically specified such as "FM_000. mp3". "FM" indicates the file is a FM recording and "000" is the recording file number.

USING THE FM RADIO MENU (Continued)

To set the FM sensitivity

To receive more or fewer FM radio frequencies, adjust the FM sensitivity.

1. Tap **[冃]** in FM Radio Mode.
   - The <FM Radio> menu appears.

2. Tap **[∧ ∨]** to select **<FM Sensitivity>** and tap **[◉]**.
   - The <FM Sensitivity> menu appears.

3. Tap **[∧ ∨]** to select the search level and tap **[◉]**.
   - Select from <High>, <Middle> and <Low>.
   - When you select <High>, more frequencies will be received.

Go to Manual Mode
Delete from Preset
Auto Preset
Start Recording
FM Sensitivity
FM Region

USING THE FM RADIO MENU (Continued)

To set the FM region

You can change an FM region setting in preparation for overseas travel.

1. Tap **[ ]** in FM Radio mode.
   - The <FM Radio> menu appears.

2. Tap **[ˆ˅]** to select **<FM Region>** and tap **[◉]**.
   - The <FM Region> menu appears.

3. Tap **[ˆ˅]** to select your regional area for FM radio and tap **[◉]**.
   - Select from <Korea/US>, <Japan> and <Other Countries>.

Go to Manual Mode
Delete fromPreset
Auto Preset
Start Recording
FM Sensitivity
FM Region

NOTE
- Your previously stored radio frequencies will be deleted when you change the <FM Region> on your player.

- FM region can be deleted or changed according to the target region of the player.

- Frequency range by region
  - Korea/US: Search for FM frequencies in 100 kHz increments between 87.5 MHz~108.0 MHz.
  - Japan: Search for FM frequencies in 100 kHz increments between 76.0 MHz~108.0 MHz.
  - Other Countries: Search for FM frequencies in 50 kHz increments between 87.50 MHz~108.00 MHz.

using the datacast

Using <Media Studio>, you can transfer blog information and files registered on RSS to the player for your entertainment.

NOTE
- **What is RSS?**
  RSS stands for Rich Site Summary or Really Simple Syndication. It is a xml-based data transmission system used to deliver information on frequently updated web sites such as news and blogs to users in a more convenient and easier way.

- **What is Datacasts?**
  You can automatically receive updated information without having to visit your frequently visited news, blog and UCC sites every time.

★ **Before you start -** <Media Studio> must be installed on your PC. See page 31.

REGISTERING A CHANNEL

You can create a new channel by registering RSS-supported web sites or web pages.

1. Click the **<Subscribe>** on the bottom of the **<Datacasts>** of <Media Studio>.

2. Enter an address in the **<URL>** and Click **<▶Next>**.
- When you copy a web address and click <Subscribe>, the copied address is displayed automatically in the <URL>.
- The setting confirmation window appears if the Web address supports RSS.

3. Click **<OK>**.
- The channel you want is registered.
- The 🔊 **icon** appears in Datacasts for the registered channel.
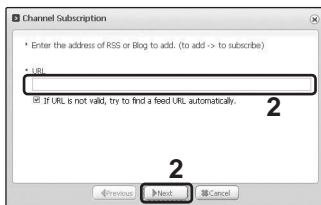
CREATING A NEW CHANNEL GROUP

You can create a new group to manage your own channels.

1. Click **<New Group>** on the bottom of **<Datacasts>** of <Media Studio>.

2. Type in a group name and description and click **<OK>**.

TRANSFERRING A DATACAST FROM <MEDIA STUDIO>

★ ▪ **Before you start -** Connect the player to your PC.
<Media Studio> must be installed on your PC. See page 31.

1. <Media Studio> will automatically start when the player is connected to your PC.
   ▪ If the program does not start automatically, double click the <Media Studio> 🎵 **icon** on the desktop.

2. Click **<Datacasts>** on the top of <Media Studio>.
   ▪ Datacasts group channel list appears.

3. Click a desired group channel.

4. Click a desired channel.

5. Select the post you want to transfer.

6. Click the ➡ **icon**.
   ▪ The Post of the selected channel will be transferred to the player in <File Browser> → <Datacasts>.
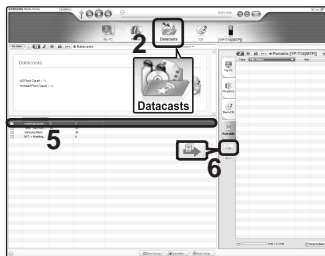
📝 ▪ Click 🔼 on the top of <Media Studio> to move to the previous screen.
NOTE ▪ In <Datacasts> of <Media Studio>, if the post has the attachment, you can download the attachment to the player. However, the attachment may not be downloaded, depending on the policy of the applicable website.

VIEWING DATACASTS

You can view channel posts added to <Datacasts>.

★ ▪ Before you start - Transfer the post of a desired channel to the player using <Media Studio>. See page 69

📝 ▪ Tap **[↰]** to move to the previous screen.
NOTE Press and briefly hold **[↰]** to move to the main menu screen.

1. Press and briefly hold **[↰]** to move to the main menu screen.

2. Tap **[⟨ ⟩]** to select **<Datacasts>** and tap **[◉]**.
   ▪ The Datacasts list appears.

3. Tap **[⌃ ⌄]** to select a desired group channel and tap **[◉]**.
   ▪ The title is the same as that of the channel added to <Datacasts> in <Media Studio>.

4. Tap **[⌃ ⌄]** to select a desired channel and tap **[◉]**.
   ▪ The file list appears.

▪ 📄 icon : main text for the transferred post
▪ 🖼 icon : picture file
▪ 🎵 icon : music file
▪ 🎬 icon : movie file

---

5. Tap **[⌃ ⌄]** to select a desired post and tap **[◉]**.
   ▪ The selected post will be played.

enjoying the prime pack

Prime Pack enables you to enjoy various functions such as reading text and a voice recording.

READING TEXT

Whether it's a novel, the manuscript of a new story, or your research paper, your mp3 player allows you to read it… all while listening to music!

★ **NOTE**
- **Before you start -** Turn on the player and check the battery capacity.
  Transfer text files to the player using <Media Studio>. See page 32.
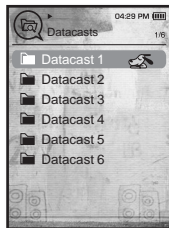
✎ **NOTE**
- Tap **[↺]** to move to the previous screen.
  Press and briefly hold **[↺]** to move to the main menu screen.

1. Press and briefly hold **[↺]** to move to the main menu screen.

2. Tap **[‹ ›]** to select **<Prime Pack>** and tap **[◉]**.
- The <Prime Pack> list appears.

3. Tap **[∧ ∨]** to select **<Text>** and tap **[◉]**.
- The text file list appears.

4. Tap **[∧ ∨]** to select a desired text file and tap **[◉]**.
- You will see the text on the screen.
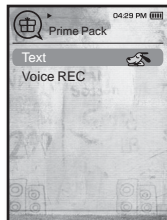
To move to previous/next page

Tap **[‹ ›]**.
- Press and briefly hold **[‹ ›]** to move continuously to the previous / next page.

✎ **NOTE**
- Your mp3 player supports the TXT file format in Text mode.
- You can also use the <File Browser> to search for a text file.

USING THE TEXT MENU

- To exit the menu, tap [目].

To listen to music while viewing your text

You can listen to the music that you last played while viewing your text.

1. Tap **[目]** while viewing a text.
   - The <Text> menu appears.

2. Tap **[∧ ∨]** to select **<Music>** and tap **[◉]**.
   - The <Music> menu appears.

3. Tap **[∧ ∨]** to select a desired mode and tap **[◉]**.
   - <Off> : No background music is played while viewing your text.
   - <On> : You can listen to the music that you last played while viewing your text.
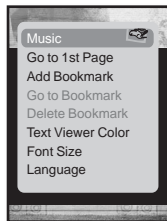
To move to the first page

Use this if you want to view the text from the first page.

1. Tap **[目]** while viewing a text.
   - The <Text> menu appears.

2. Tap **[∧ ∨]** to select **<Go to 1st Page>** and tap **[◉]**.
   - You will see the confirmation window to move to the first page.

3. Tap **[‹ ›]** to select **<Yes>** and tap **[◉]**.
   - Moves to the first page.

USING THE TEXT MENU (Continued)

NOTE
- To exit the menu, tap [曰].
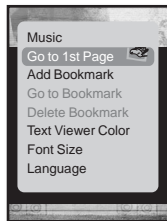
To set a bookmark

Set a bookmark to return to that point in the text at any time.

1. Tap **[曰]** while viewing a text.
   - The <Text> menu appears.

2. Tap **[∧ ∨]** to select **<Add Bookmark>** and tap **[◉]**.
   - The current text screen is set to a bookmark with the [𝒫] symbol displayed on the top left corner.

Music
Go to 1st Page
Add Bookmark
Go to Bookmark
Delete Bookmark
Text Viewer Color
Font Size
Language

NOTE
- The Overwrite window appears if there is a bookmark previously set. If you select <Yes>, the previously set bookmark is deleted and a new bookmark is added.
   - The bookmark can be set one for each text file, and you can set a maximum of 100 bookmarks.
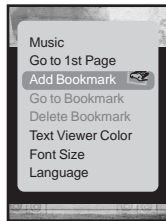
To move to / remove the bookmark

1. Tap **[曰]** while viewing a text.
   - The <Text> menu appears.

2. Tap **[∧ ∨]** to select **<Go to Bookmark>** or **<Delete bookmark>** and tap **[◉]**.
   - When you selected <Go to Bookmark> then it will move to the selected bookmark and <Delete bookmark> will remove the selected bookmark from the text file.

Music
Go to 1st Page
Add Bookmark
Go to Bookmark
Delete bookmark
Text Viewer Color
Font Size
Language

enjoying the prime pack_ **73**
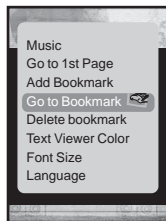
USING THE TEXT MENU (Continued)

To set the text viewer color

Choose what color you'd like the text to appear.

1. Tap **[ ]** while viewing a text.
   - The <Text> menu appears.
2. Tap **[∧ ∨]** to select **<Text Viewer Color>** and tap **[◉]**.
   - The <Text Viewer Color> setting window appears.
3. Tap **[‹ ›]** to select a desired text viewer color and tap **[◉]**.
   - Select from <Type 1> to <Type 6>.

Music
Go to 1st Page
Add Bookmark
Go to Bookmark
Delete bookmark
Text Viewer Color
Font Size
Language
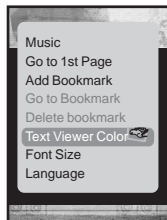
To change the font size

You can change the font size of the text.

1. Tap **[ ]** while viewing a text.
   - The <Text> menu appears.
2. Tap **[∧ ∨]** to select **<Font Size>** and tap **[◉]**.
   - The <Font Size> menu appears.
3. Tap **[‹ ›]** to select a desired font size and tap **[◉]**.
   - Select from <Small>, <Medium> and <Large>.

Music
Go to 1st Page
Add Bookmark
Go to Bookmark
Delete bookmark
Text Viewer Color
Font Size
Language
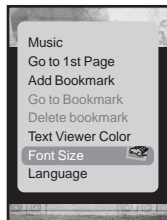
USING THE TEXT MENU (Continued)

To set a text language

You can select a language for text to view.

1. Tap **[≡]** while viewing a text.

- The <Text> menu appears.

2. Tap **[⌄⌃]** to select **<Language>** and tap **[◉]**.

- The <Language> list appears.

- <English>, <Korean>, <French>, <German>, <Italian>, <Japanese>, <Chinese(S)>, <Chinese(T)>, <Spanish>, <Russian>, <Hungarian>, <Dutch>, <Polish>, <Portuguese>, <Swedish>, <Thai>, <Finnish>, <Danish>, <Norwegian>, <Farsi>, <Afrikaans>, <Basque>, <Catalan>, <Czech>, <Estonian>, <Greek>, <Hrvatski>, <Icelandic>, <Rumanian>, <Slovak>, <Slovene>, <Turkish>, <Vietnamese>.

3. Tap **[⌄⌃]** to select a desired language and tap **[◉]**.

- You can view text in the selected language.

NOTE

- The supported languages can be changed or added.

Music
Go to 1st Page
Add Bookmark
Go to Bookmark
Delete bookmark
Text Viewer Color
Font Size
Language
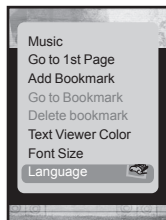
VOICE RECORDING

You can make a voice recording.

To make a voice recording

1. Press and briefly hold **[ ]** to move to the main menu screen.

2. Tap **[ ]** to select **<Prime Pack>** and tap **[ ]**.
   - The <Prime Pack> list appears.

3. Tap **[ ]** to select **<Voice REC>** and tap **[ ]**.
   - The file name is displayed and the recording window appears.

4. Tap **[ ]**.
   - The player starts recording.

NOTE
- You can make a recording for up to approximately 23 hours (based on 96Kbps, 1GB)
- You can store a maximum of 999 files for voice recording.
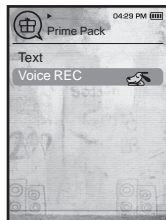
VOICE RECORDING (Continued)

To stop voice recording

1. Tap **[◉]** during the recording.
   - A message appears asking you if you want to listen to the file you just recorded.

2. Tap **[⟨ ⟩]** to select **<Yes>** or **<No>** and tap **[◉]**.
   - Selecting <Yes> will play the just recorded file.
   - Selecting <No> will not play the recorded file.
   - The recorded file is stored in <File Browser> → <Recorded Files>.
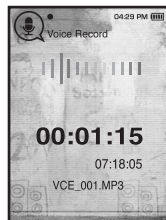
NOTE
- Do not put the microphone too close to or far away from your mouth as it may cause a poor recording.
- Voice recording does not perform properly when the battery is low.
- The recording file name will be automatically specified such as "VCE_000. mp3". "VCE" indicates the file is a voice recording and "000" is the recording file number.

using Bluetooth

WHAT IS BLUETOOTH?

Bluetooth is an industry specification that describes how Bluetooth-compliant stereo headsets, mobile phones, and external devices can easily interconnect with each other using a short wireless connection.

The Bluetooth device can cause a noise or malfunction, depending on the use conditions.

- ▪ Physical signal interference, for instance, if you hold the player in the hand and wear a stereo headset in your ears.
- ▪ When a part of the body is in contact with the receiving/transmitting system of the player or the stereo headset.
- ▪ Electrical variation from electrical jamming by the wall, corner or office partitioning.
- ▪ Electrical interference from the same frequency-band devices including medical equipment, microwave oven and wireless LAN.

- ▪ **When pairing the Bluetooth device with the player, make it within as short distance as possible.**
- ▪ **The farther the distance between player and stereo headset is, the worse the quality is. If the distance exceeds the limit, the communications are disconnected.**
- ▪ **We do not recommend you use text and picture view modes while listening to the music with the stereo headset as it can cause deterioration of both player performance and Bluetooth communications.**
- ▪ **Depending on the model of the stereo headset, files in less than 32 KHz can not be played.**
- ▪ **In poor reception-sensitivity areas such as inside an elevator or underground, the Bluetooth connection may not work properly.**
- ▪ **The maximum distance that enables wireless connection between the player and the bluetooth is 10m. The connection will be automatically cut off if the distance is out of this range. Even within this range, the sound quality may be deteriorated by obstacles such as walls or doors.**

USING A BLUETOOTH STEREO HEADSET

You can use a Bluetooth stereo headset to let you enjoy music with high quality stereo sound, all without wires!

★ ▪ **Before you start -** Ensure that the Bluetooth device to connect is ready for pairing. (refer to the device's user manual)

To register the Bluetooth Stereo Headset

(you only need to register it once)

1. Press and briefly hold **[↰]** to move to the main menu screen.

2. Tap **[‹ ›]** to select **<Bluetooth>** and tap **[◉]**.
   ▪ The <Bluetooth Mode> is set to <On>.
   ▪ The ⓑ icon will light.

3. Set the stereo headset ready for pairing.
   ▪ To set the headset ready for the pairing mode, refer to the headset's user manual.

4. Tap **[ᴧ ᵛ]** to select **<Stereo Headset>** and tap **[◉]**.

   ▪ You will see <Search New Device> on the screen, if there is any device that has been previously paired with the player. Select <Search New Device> so that you can search for a new device to pair.
   ▪ The headset to be registered will be listed.

5. Tap **[ᴧ ᵛ]** to select a headset name to add and tap **[◉]**.
   ▪ The Password input window appears if the password for the headset is other than 0000. Refer to the Headset's manual for the password.
   ▪ The registration of the headset is completed.

To register the Bluetooth Stereo Headset (Continued)

NOTE

- You can use the Bluetooth function only when playing music and video files. It is not supported while you are listening to FM Radio.
- Description of the Bluetooth icon
  - 🔋 : Bluetooth mode on   🔋 : Connected to a stereo headset
- If you want to turn off the Bluetooth function, set the Bluetooth Mode to <Bluetooth> → <Bluetooth Mode> → <Off>.
- Bluetooth-compliant Headsets

Company	Model	Company	Model
i.TECH	Blueband	SAMSUNG	SBH100
Plantronics	PULSAR 590A	Jabra	BT620s
MOTOROLA	HT820		

- Use only a Bluetooth-certified stereo headset. Mono hands-free headsets are not supported.
- When not in use, set the <Bluetooth Mode> to <Off>. If you stay in <On> for <Bluetooth Mode>, the battery usable time is reduced.
- You can add up to 20 devices for the Bluetooth connection.

USING A BLUETOOTH STEREO HEADSET (Continued)

To connect the registered Bluetooth stereo headset

1. Tap **[∧ ∨]** in the Bluetooth screen to select
   <Stereo Headset> and tap **[◎]**.

2. Tap **[∧ ∨]** to select a stereo headset to connect
   and tap **[◎]**.
   - When the connection is successfully done, you will see
     the 🎧 icon on the display.
   - You can connect up to 2 headsets.

3. Play the music.
   - You can listen to the music using a stereo headset.

![Bluetooth screen showing Stereo Headset, Bluetooth Mode, Bluetooth Settings]

NOTE

- If you can't find the desired headset to connect, register it first.
- If you turn off the player or the headset, and then turn it on, the bluetooth communication may be disconnected. If you want to listen to the music again using the stereo headset, repeat the instructions above.
- When two headsets are connected, the first-connected headset alone can be enabled for functional operation such as play/stop and volume control. For more information, refer to the headset's user manual.
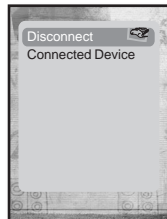
USING THE BLUETOOTH MENU

To disconnect the Bluetooth device

1. Tap **[⊟]** in the Bluetooth screen.

2. Tap **[∧ ∨]** to select **<Disconnect>** and tap **[◉]**.
   - The Disconnect confirmation window appears.

3. Tap **[‹ ›]** to select **<Yes>** and tap **[◉]**.
   - The currently connected device will be disconnected.

To check the Bluetooth device connected

1. Tap **[⊟]** in the Bluetooth screen.

2. Tap **[∧ ∨]** to select **<Connected Device>** and tap **[◉]**.
   - You can see information of the connected device.

BLUETOOTH SETTINGS

⭐ ▪ **Before you start -** Set <Bluetooth Mode> to <On>.

1. Press and briefly hold **[↩]** to move to the main menu screen.

2. Tap **[⟨ ⟩]** to select **<Bluetooth>** and tap **[◎]**.

3. Tap **[∧ ∨]** to select **<Bluetooth Settings>** and tap **[◎]**.
   ▪ The <Bluetooth Settings> menu appears.

4. Use **[∧ ∨]** and **[◎]** to set functions.

Bluetooth Setting Options

- **Search Timeout** : You can select the search time period for a new device. After setting a time, a new device will be searched for the time limit you set. Select one from <10sec>, <20sec>, <30sec>, <45sec> and <60sec>.
- **Delete Device** : You can delete a registered device in the player. See page 84.
  Select <Delete All> to delete all of the registered devices.
- **My Device Info** : You can check the name and address of your player.
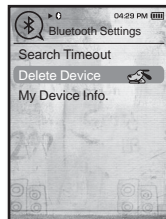
BLUETOOTH SETTINGS (Continued)

To delete a Bluetooth device

1. Tap **[∧ ∨]** to select **<Delete Device>** and tap **[◉]**.
   - You will see the list of the registered devices.

2. Tap **[∧ ∨]** to select a device to delete and tap **[◉]**.
   - If you want to delete all of the registered devices, select <Delete All>.

3. Tap **[⟨ ⟩]** to select **<Yes>** and tap **[◉]**.
   - The selected device will be removed.

To rename a Bluetooth device

1. Tap **[∧ ∨]** to select **<My Device Info>** and tap **[◉]**.

2. Tap **[◉]**.
   - The My Device Info menu appears.

3. Tap **[∧ ∨]** to select **<Edit Device Name>** and tap **[◉]**.
   - The Edit Device Name window appears.

4. Use **[∧ ∨ ⟨ ⟩]** and **[◉]** to rename the device.
   - **[◉] :** The input mode switches from number to uppercase English and to lowercase English.
   - **[←] :** You can delete the characters one at a time.
   - **[OK] :** Confirm your change.
   - E.g. To enter "YPS5"
     -Move to the corresponding key icon and tap on it.
     ◉ (once) ➡ **WXY** (3 times) ➡ **PRS** (once) ➡ **PRS** (3 times) ➡ ◉ (twice)
     ➡ **5** (once)

troubleshooting

If you have a problem with your new mp3 player, check for a solution in this list. If the problem persists, contact Samsung Customer Service Center near you.

PROBLEM	SOLUTION
Power will not turn on.	• Power will not turn on if the battery is completely drained. Recharge the battery and turn the power on again. • Press the Reset hole.
Buttons do not work.	• Check if the ⟨ HOLD▸ ⟩ **switch** is in the direction of the arrow position. • Check if you pressed the right button, then press again. • Press the Reset hole.
The screen will not turn on.	• The screen may not be visible under direct sunlight. • If **<Display Off>** is selected from **<Settings>** → **<Display>**, the screen display can be turned off. Tap any button and see if it turns on.

PROBLEM	SOLUTION
Power is turning off.	• Check the battery status. • The power is automatically turned off when the battery is completely drained. Recharge the battery. • If **<Auto Power Off>** is selected from **<Settings>** → **<System>**, the Power will be turned off when the player is in Pause mode. Turn on the Player.
Battery life differs from the manual.	• The battery life can vary depending on the sound mode and display setting. • Battery life may be shortened when the player is left for extended periods in low or high temperatures.
Media Studio Program Malfunction	• Check if your PC meets the basic system requirements.
Connection to your PC is disabled.	• Check if the USB cable is correctly connected and try again. • Press **<Start>** on the toolbar of your PC to run Windows Update. Select Key Updates and Service Packs, then update all. Reboot your PC and reconnect.
The file transfer rate is too slow.	• If you are running multiple programs including <Media Studio> on your PC, the file transfer rate will be slow. Exit unnecessary programs and try transferring again.

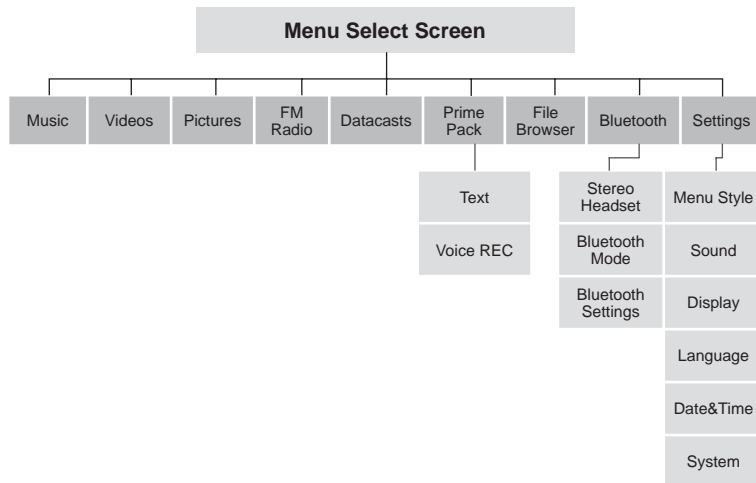| PROBLEM	SOLUTION
Player isn't playing.	• Check if the available file has been saved in the memory. • Check if the music file is damaged. • Check if there is enough battery power.
File upload doesn't work.	• Check if the USB cable is securely connected. Reconnect if necessary. • Check if the memory is full. • Press the Reset hole.
Files or data are missing.	• Check if the USB cable has been disconnected during file or data transmission. If this is the case, it may cause serious damage not only to files/data but also to the product. You have to be extra cautious as Samsung is not responsible for data loss.
Abnormal play time display during play.	• Check if the file is in Variable Bit Rate (VBR) format.
The product is hot.	• Heat may be generated during recharging. This has no effect on the product life or functions.
A message appears while watching a movie.	• Try to download the movie clip through Media Studio again.
Bluetooth connections could not be made.	• Check if the stereo headset is Bluetooth-certified. The mono hands-free headset is not supported. • The Bluetooth connection can be set off if you turn the player or stereo headset off and on. In this case, try to connect again.

appendix

MENU TREE

Here's a quick look at how the menus and functions are organized on your new mp3 player.

PRODUCT SPECIFICATIONS

Model Name	YP-T10
Rating	DC 5.0V / 500mA
Built-in Battery Power	550 mAh / DC 3.7V
File Compatibility	AUDIO : MPEG1/2/2.5 Layer3 (8kbps~320kbps, 22kHz~48kHz) WMA(8kbps~320kbps,8kHz~48kHz) VIDEO : SVI (Video : MPEG4, Audio : MP3(44.1kHz, 128Kbps), WMV(Video : WMV9 Simple Profile, Audio : WMA Spec (Max 860kbps), Resolution : 320X240, Frame Rate : 30fps) IMAGE : JPEG(ISO/IEC 10918-1/Annex F-Sequential DCT-based mode of operation)
Earphone Output	20mW (16Ω)
Output Frequency Range	20Hz~20KHz
Signal to Noise Ratio	90dB with 20KHz LPF(based on 1kHz 0dB)
Play Time	Maximum of 30 hours for music playback (based on : MP3 128kbps, Volume 15, Normal sound mode), Maximum of 4 hours for video playback
Temperature Range for Operation	-5~35°C (23~95°F)
Case	Plastic , Aluminium
Weight	43g
Dimensions (WxHxD)	41.5 X 96 X 7.9 mm

FM RADIO	FM Frequency	87.5~108.0MHz	FM T.H.D	1%
	FM Signal to Noise Ratio	50 dB	FM Useable Sensitiivity	30dBμ

Wireless System

Emission Type	F1D
RF Power	1.8mW
Transmit Frequency	2402MHz ~ 2480MHz
Receive Frequency	2402MHz ~ 2480MHz
No. of channels	79 ch
Temperature	-10 °C~ +50°C(14 ~ 122°F)
Modulation System	GFSK
Communication Mode	Semi-duplex Operation
Humidity	95%
Spec Version Supported	2.0
Module	BTEM48B2SA

The contents of this Manual are subject to change without prior notice for further improvement.

This Class B digital apparatus complies with Canadian ICES-003.

LICENSE

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SAMSUNG

Samsung Limited Warranty

Samsung Electronics Canada Inc. (SECA),
warrants that this product is free from defective material and workmanship

SECA further warrants that if this product fails to operate properly within the specified warranty period and the failure is due to improper workmanship or defective material SECA will repair or replace the product at its option.

All warranty repairs must be performed by a SECA authorized service centre. (The name and address of the location nearest you can be obtained by calling toll free **1-800-726-7864** or visiting our web site at **www.samsung.ca**)

Labour	Parts
one (1) year (carry-in)	one (1) year

On carry-in models, transportation to and from the service centre is the customer's responsibility.

The original dated sales receipt must be retained by the customer and is the only acceptable proof of purchase. It must be presented to the authorized service centre at the time service is requested.

Exclusions
This warranty does not cover damage due to accident, fire flood and/or other acts of God; misuse, incorrect line voltage, improper installation, improper or unauthorized repairs, commercial use, or damage that occurs in shipping. Exterior and interior finish, lamps and glass are not covered under this warranty. Customer adjustments which are explained in the instruction manual are not covered under the terms of this warranty. This warranty will automatically be voided for any unit found with a missing or altered serial number. This warranty is valid only on products purchased and used in Canada.

SAMSUNG

If you have any questions or comments relating to Samsung products,
please contact the SAMSUNG customer care centre.

Samsung Electronics Canada Inc., Customer Service
1-800-SAMSUNG (7267864)
www.samsung.com/ca